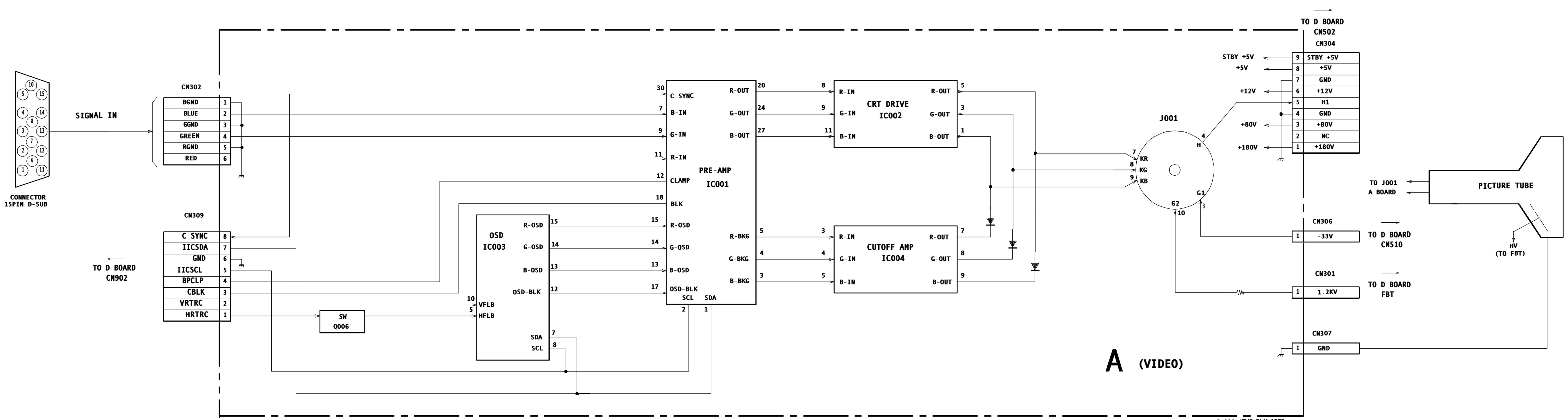
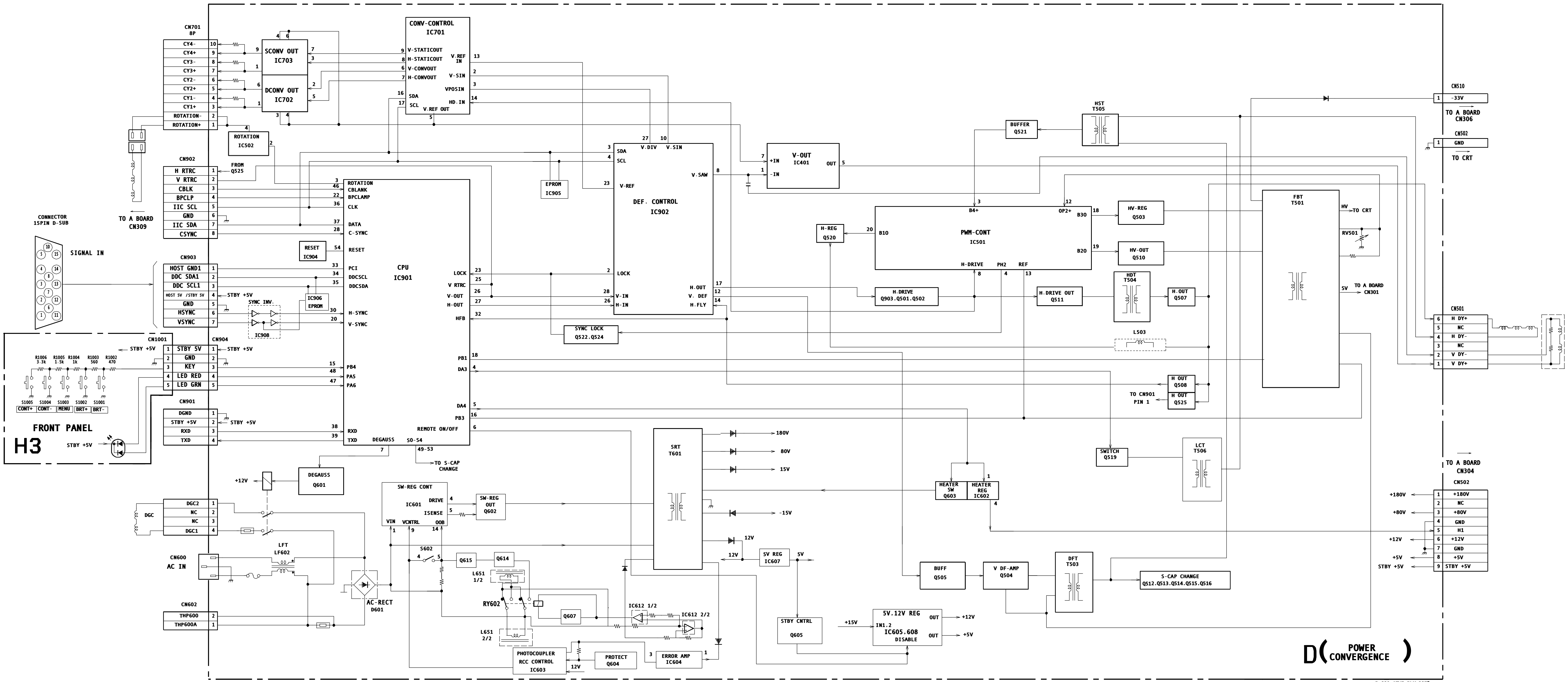
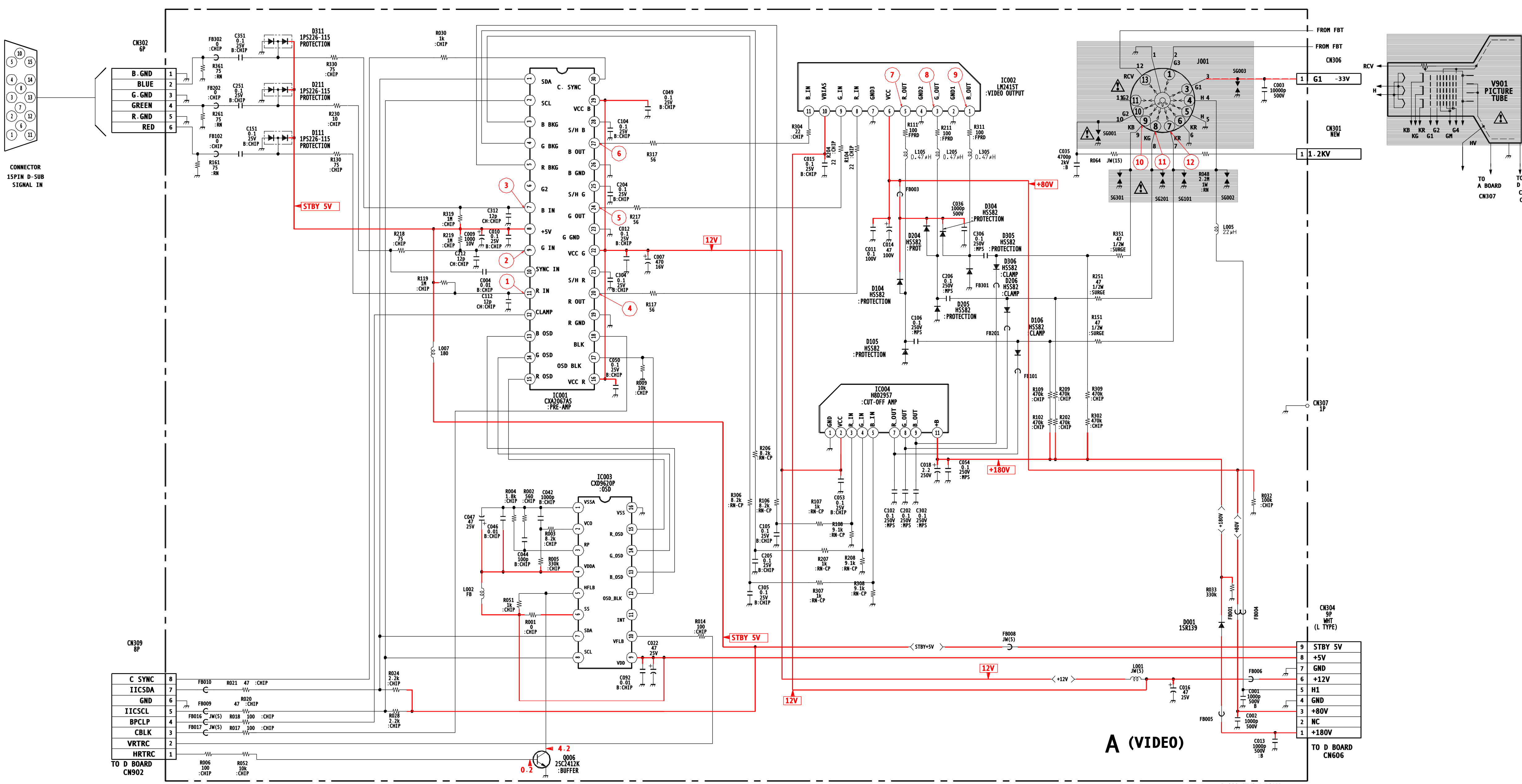
4-3. DIAGRAMS BLOCK DIAGRAM (1/2)

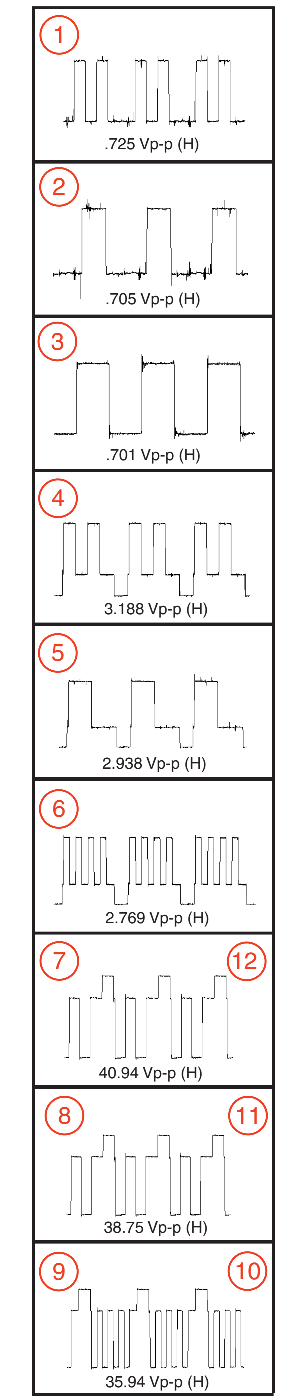



CN701 8P
SCONV OUT IC703
DCONV OUT IC702
CONV-CONTROL IC701
ROTATION IC502
CN902
TO A BOARD CN309
CONNECTOR 15PIN D-SUB
SIGNAL IN
CN903
SYNC INV.
IC908
RESET IC904
IC906 EPROM
CPU IC901
EPROM IC905
DEF. CONTROL IC902
V-OUT IC401
SYNC LOCK Q522,Q524
BUFFER Q521
HST T505
H-REG Q520
PWM-CONT IC501
HV-REG Q503
HV-OUT Q510
H.DRIVE Q903,Q501,Q502
H.DRIVE OUT Q511
HDT T504
H.OUT Q507
L503
H OUT Q508
H OUT Q525
TO CN901 PIN 1
FBT T501
TO CRT
TO A BOARD CN301
CN510
TO A BOARD CN306
CN502
CN501
CN1001
CN904
CN901
FRONT PANEL
H3
CONT+ CONT- MENU BRT+ BRT-
DEGAUSS Q601
TO S-CAP CHANGE
SRT T601
180V
80V
15V
-15V
SW-REG CONT IC601
SW-REG OUT Q602
HEATER SW Q603
HEATER REG IC602
SWITCH Q519
LCT T506
TO A BOARD CN304
DGC
CN600 AC IN
LFT LF602
AC-RECT D601
S602
Q615
Q614
L651 1/2
RY602
Q607
L651 2/2
CN602
IC612 1/2
IC612 2/2
PHOTOCOUPLER RCC CONTROL IC603
PROTECT Q604
ERROR AMP IC604
5V REG IC607
STBY CNTRL Q605
5V,12V REG IC605,608
BUFF Q505
V DF-AMP Q504
DFT T503
S-CAP CHANGE Q512,Q513,Q514,Q515,Q516
D (POWER CONVERGENCE)
B-880<17VC>BLK 2OF2

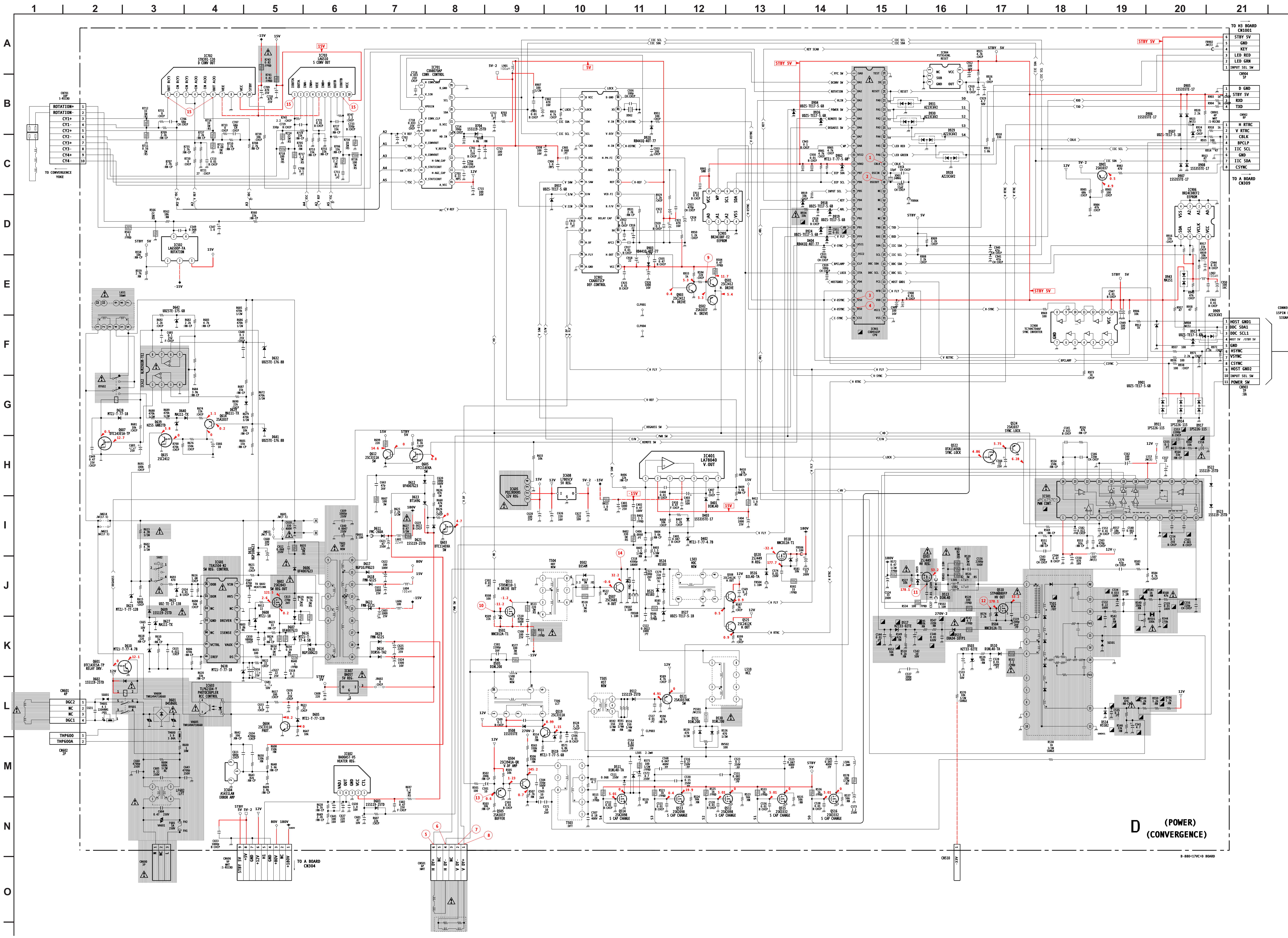
A BOARD SCHEMATIC DIAGRAM



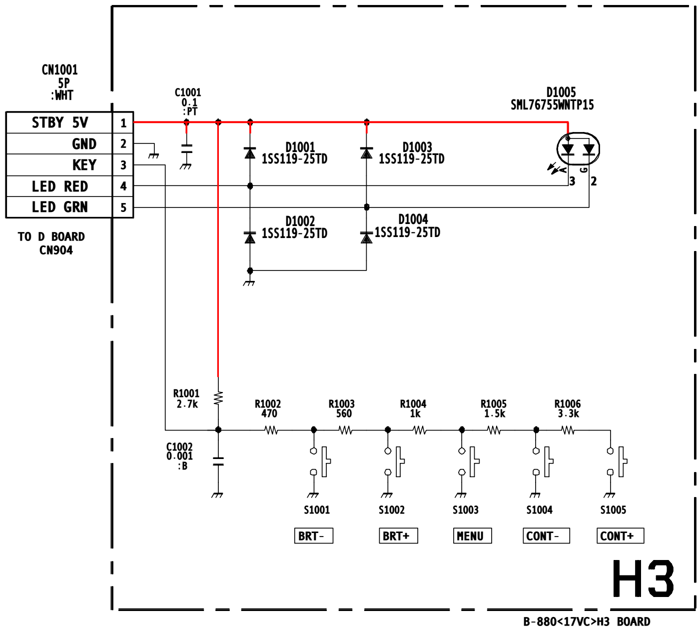
A BOARD WAVEFORMS



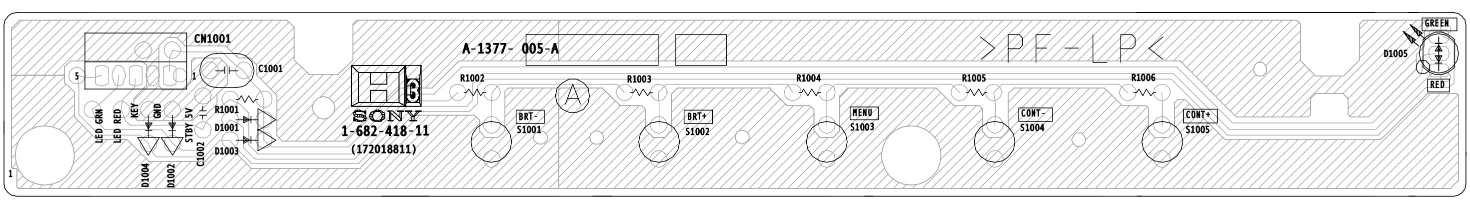
D BOARD SCHEMATIC DIAGRAM



H3 BOARD SCHEMATIC DIAGRAM

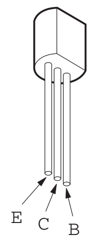


H3 [FRONT PANEL]

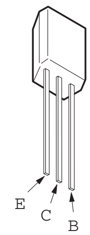


4-4. SEMICONDUCTORS

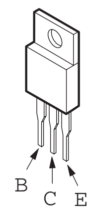
2SC2610



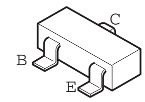
DTC143ESA



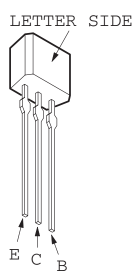
2SC4634LS-CB11



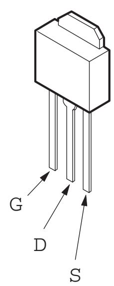
2SC1623-L5L6
2SA1037AK-T146-R
2SC3941A-Q(TA)
DTA114EKA-T146



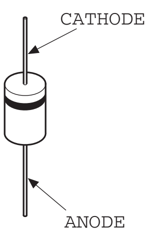
2SA1175-HFE
2SC2785-HFE
DTC114TSA
2SC3311A-QRSTA



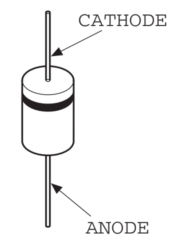
2SK2605LBSONY
2SK3155-01
2SK2098-01MR-F119
2SK2843LBS2SONY
IRFU110A



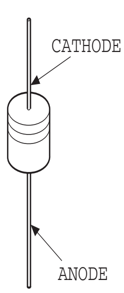
MTZJ-T-77-12B
ERC81-004
EGP10D
RGP10JPKG23
RGP10DG23
RL3Z-LF014-302



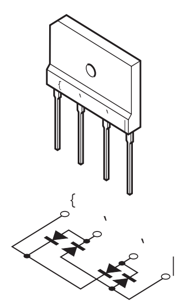
HZU5.6B2TRF
D1NS6
D1NL40-TA2
UF4007G23
RGP02-20EL-6394
ERB91-02



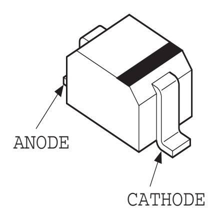
1SS119-25
RD5.1ESB2
RD5.6ESB2
RD18ESB2
RD10ESB2
MTZJ-4.7C
MTZJ-T-77-18
RB441Q-40T-77



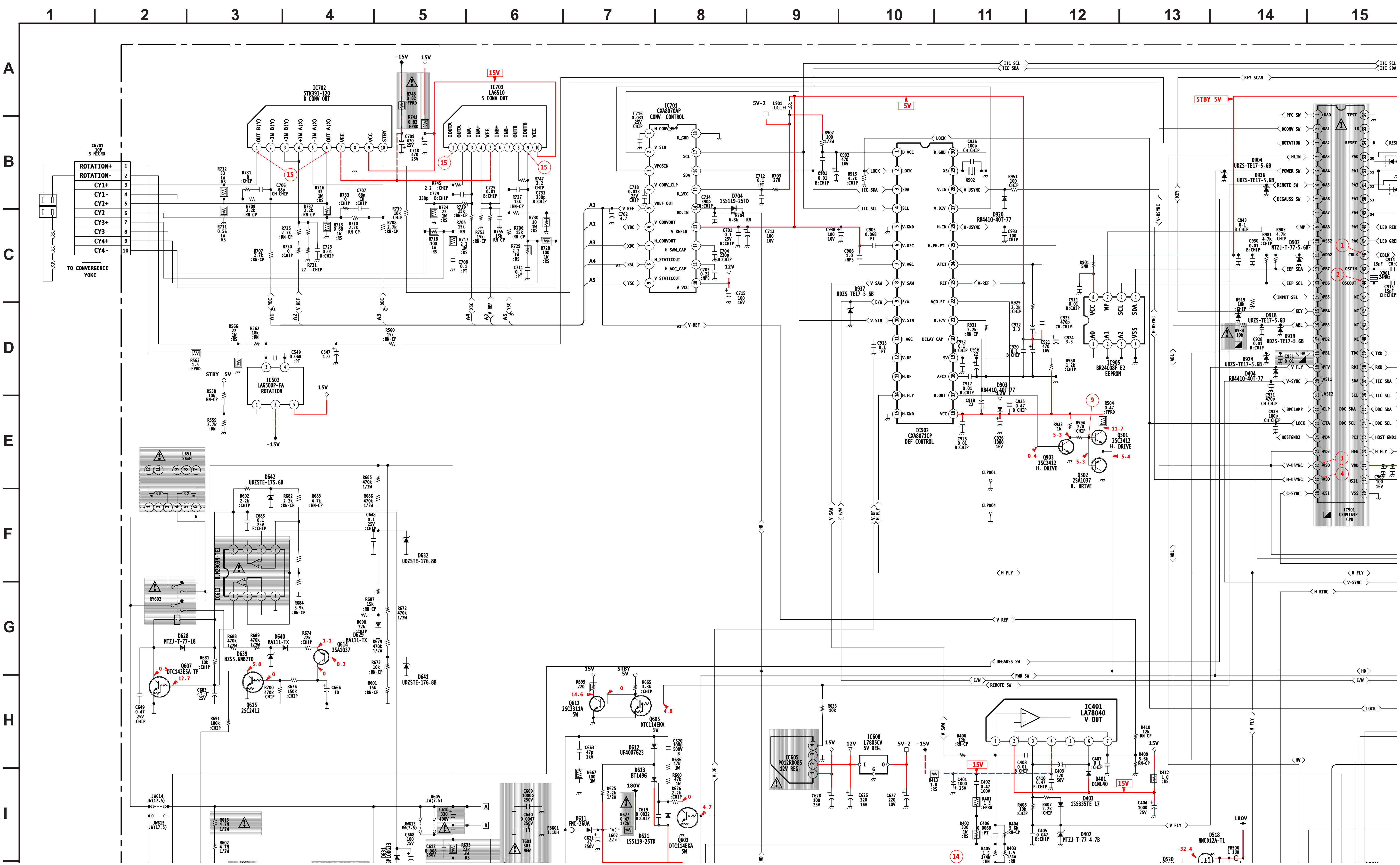
D4SB60L

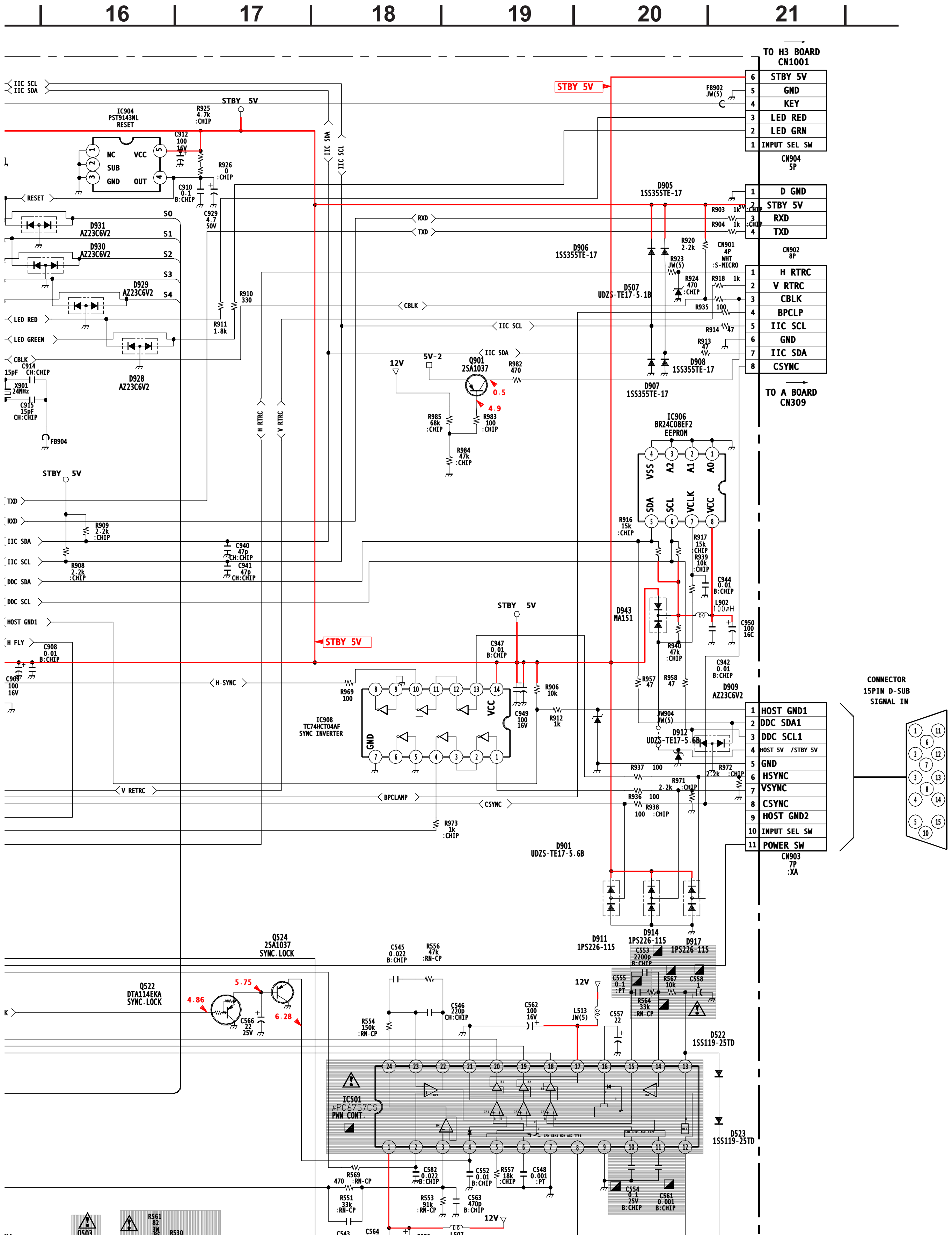


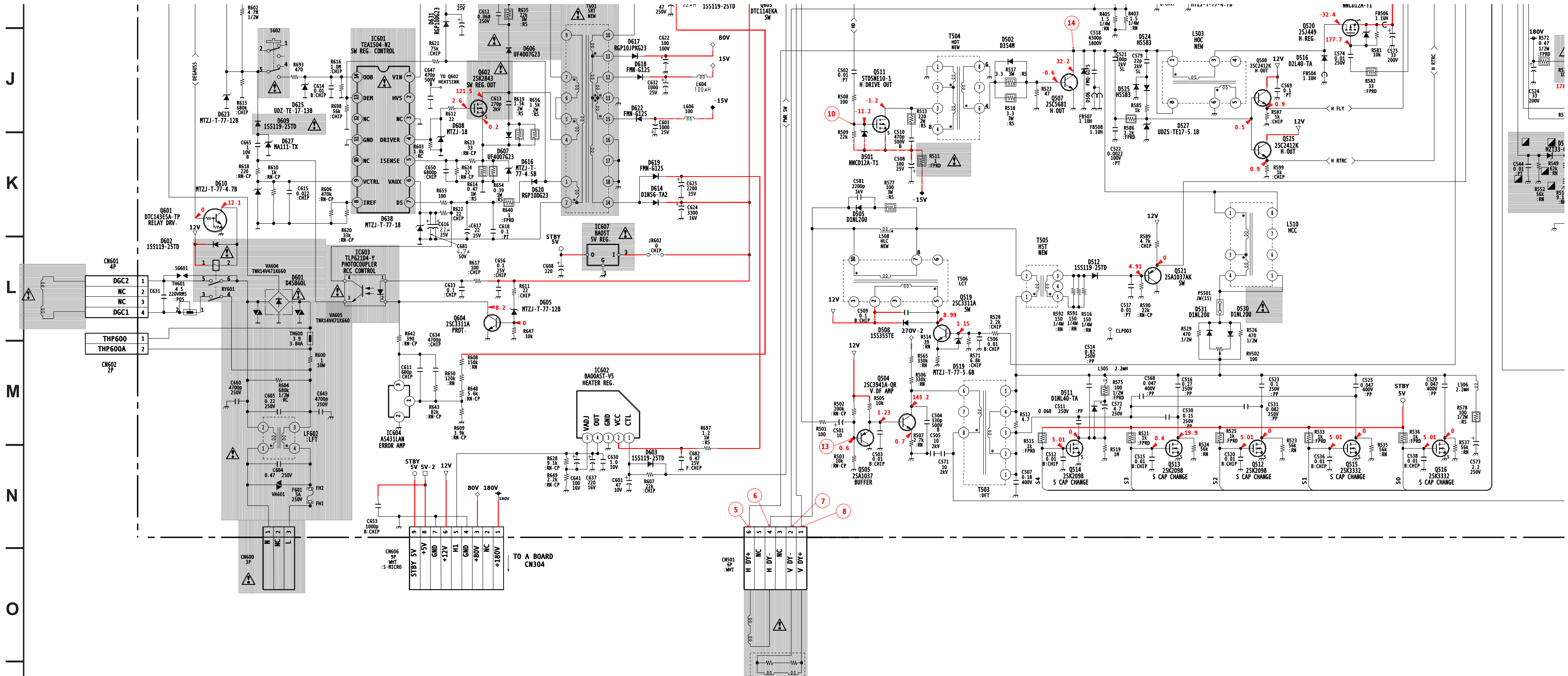
HSS83TD
1SS355TE-17
HSS82



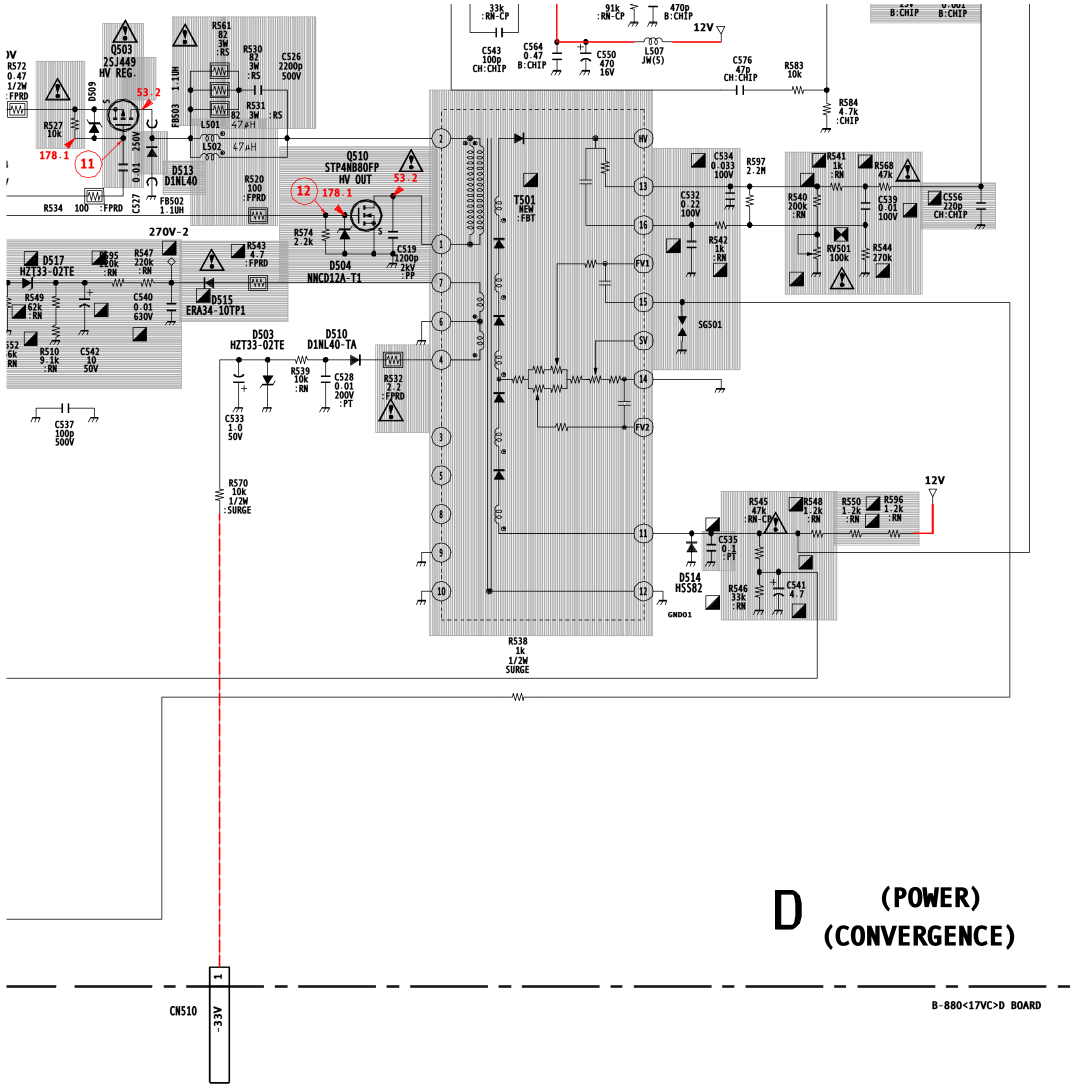
D BOARD SCHEMATIC DIAGRAM




16
17
18
19
20
21
TO H3 BOARD CN1001
STBY 5V
GND
KEY
LED RED
LED GRN
INPUT SEL SW
CN904 5P
D GND
STBY 5V
RXD
TXD
CN902 8P
H RTRC
V RTRC
CBLK
BPCLP
GND
IIC SCL
IIC SDA
CSYNC
TO A BOARD CN309
IC904 PST9143NL RESET
IC906 BR24C08EF2 EEPROM
IC908 TC74HCT04AF SYNC INVERTER
Q901 2SA1037
D905 1SS355TE-17
D906 1SS355TE-17
D907 1SS355TE-17
D908 1SS355TE-17
D507 UDZS-TE17-5.1B
D943 MA151
D909 AZ23C6V2
D912 UDZS-TE17-5.6B
D901 UDZS-TE17-5.6B
D911 1PS226-115
D914 1PS226-115
D917 1PS226-115
D931 AZ23C6V2
D930 AZ23C6V2
D929 AZ23C6V2
D928 AZ23C6V2
CONNECTOR 15PIN D-SUB SIGNAL IN
HOST GND1
DDC SDA1
DDC SCL1
HOST 5V /STBY 5V
GND
HSYNC
VSYNC
CSYNC
HOST GND2
INPUT SEL SW
POWER SW
CN903 7P :XA
Q524 2SA1037 SYNC.LOCK
Q522 DTA114EKA SYNC.LOCK
IC501 µPC6757CS PWM CONT.
D522 1SS119-25TD
D523 1SS119-25TD
STBY 5V
12V



J
K
L
M
N
O
IC601
TEA1504-N2
SW REG. CONTROL
Q602
2SK2843
SW REG.OUT
IC603
TLP621D4-Y
PHOTOCOUPLER
RCC CONTROL
IC604
AS431LAN
ERROR AMP
IC607
BA05T
5V REG.
IC602
BA00AST-V5
HEATER REG.
Q601
DTC143ESA-TP
RELAY DRV.
Q604
2SC3311A
PROT.
CN601
4P
DGC2
NC
NC
DGC1
THP600
THP600A
CN602
2P
CN600
3P
CN606
9P
WHT
:S-MICRO
STBY 5V
+5V
GND
+12V
H1
GND
+80V
NC
+180V
TO A BOARD
CN304
CN501
6P
:WHT
H DY+
NC
H DY-
NC
V DY-
V DY+
Q511
STD5NE10-1
H.DRIVE OUT
Q507
2SC5681
H.OUT
Q508
2SC2412K
H.OUT
Q525
2SC2412K
H.OUT
Q520
2SJ449
H.REG.
Q521
2SA1037AK
SW
Q519
2SC3311A
SW
Q504
2SC3941A-QR
V.DF AMP
Q505
2SA1037
BUFFER
Q514
2SK2098
S CAP CHANGE
Q513
2SK2098
S CAP CHANGE
Q512
2SK2098
S CAP CHANGE
Q515
2SK3332
S CAP CHANGE
Q516
2SK3332
S CAP CHANGE
T504
HDT
NEW
T505
HST
NEW
T506
LCT
T503
:DFT
L503
HDC
NEW
L510
HCC



D
(POWER)
(CONVERGENCE)
B-880<17VC>D BOARD
CN510
-33V
Q503
2SJ449
HV REG.
Q510
STP4NB80FP
HV OUT
T501
FBT
D504
D503
HZT33-02TE
D510
D1NL40-TA
D513
D1NL40
D517
HZT33-02TE
D515
ERA34-10TP1
D514
270V-2
12V
R538
1k
1/2W
SURGE
R570
10k
1/2W
:SURGE
C533
1.0
50V
C537
100p
500V
RV501
100k
SG501
GND01
L501
L502
L507